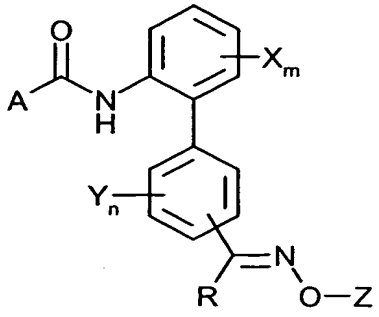
Claims

1. A biphenylcarboxamide of the formula (I)



(I),

in which

R represents hydrogen, C_1-C_6-alkyl or C_1-C_3-haloalkyl having in each case 1 to 7 fluorine, chlorine and/or bromine atoms,

Z represents C_3-C_8-alkenyl, C_3-C_8-alkynyl, C_3-C_8-haloalkenyl, C_3-C_8-haloalkynyl having in each case 1 to 5 fluorine, chlorine and/or bromine atoms, or (C_3-C_8-cycloalkyl)(C_1-C_4-alkyl),

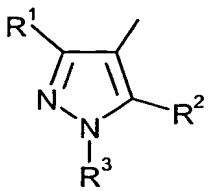
X and Y independently of one another represent halogen, cyano, nitro, C_1-C_8-alkyl, C_1-C_8-alkoxy, C_1-C_8-alkylthio, C_1-C_6-haloalkyl, C_1-C_6-haloalkoxy or C_1-C_6-haloalkylthio having in each case 1 to 13 fluorine, chlorine and/or bromine atoms,

m represents 0, 1, 2, 3 or 4, where x represents identical or different radicals if m represents 2, 3 or 4,

n represents 0, 1, 2, 3 or 4, where y represents identical or different radicals if n represents 2, 3 or 4,

and

A represents a radical of the formula



in which

R^1 represents hydrogen, cyano, halogen, nitro, C_1-C_4-alkyl, C_3-C_6-cycloalkyl, C_1-C_4-alkoxy, C_1-C_4-alkylthio, aminocarbonyl, aminocarbonyl-C_1-C_4-alkyl or represents C_1-C_4-haloalkyl, C_1-C_4-

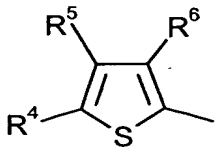
haloalkoxy, C_1-C_4-haloalkylthio having in each case 1 to 5 halogen atoms, and

R^2 represents hydrogen, halogen, cyano, C_1-C_4-alkyl, C_1-C_4-alkoxy or C_1-C_4-alkylthio and

R^3 represents hydrogen, C_1-C_4-alkyl, hydroxy-C_1-C_4-alkyl, C_2-C_6-alkenyl, C_3-C_6-cycloalkyl, C_1-C_4-alkylthio-C_1-C_4-alkyl, C_1-C_4-alkoxy-C_1-C_4-alkyl, or represents C_1-C_4-haloalkyl, halo(C_1-C_4-alkylthio-C_1-C_4-alkyl), halo(C_1-C_4-alkoxy-C_1-C_4-alkyl) having in each case 1 to 5 halogen atoms or represents phenyl,

or

A represents a radical of the formula



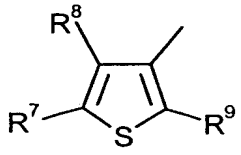
in which

R^4 and R^5 independently of one another represent hydrogen, halogen, C_1-C_4-alkyl or C_1-C_4-haloalkyl having 1 to 5 halogen atoms and

R^6 represents halogen, cyano or C_1-C_4-alkyl, C_1-C_4-haloalkyl, C_1-C_4-haloalkoxy having in each case 1 to 5 halogen atoms,

or

A represents a radical of the formula



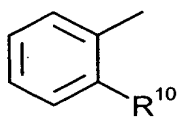
in which

R^7 and R^8 independently of one another represent hydrogen, halogen, C_1-C_4-alkyl or C_1-C_4-haloalkyl having 1 to 5 halogen atoms and

R^9 represents hydrogen, halogen or C_1-C_4-alkyl,

or

A represents a radical of the formula

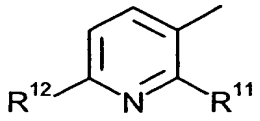


in which

R^{10} represents hydrogen, halogen, hydroxyl, cyano, C_1-C_6-alkyl, C_1-C_4-haloalkyl, C_1-C_4-haloalkoxy, C_1-C_4-haloalkylthio having in each case 1 to 5 halogen atoms,

or

A represents a radical of the formula



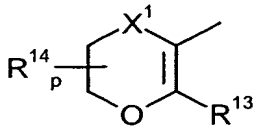
in which

R^{11} represents halogen, hydroxyl, cyano, C_1-C_4-alkyl, C_1-C_4-alkoxy, C_1-C_4-alkylthio, C_1-C_4-haloalkyl, C_1-C_4-haloalkoxy, C_1-C_4-haloalkylthio having in each case 1 to 5 halogen atoms and

R^{12} represents hydrogen, halogen, cyano, C_1-C_4-alkyl, C_1-C_4-alkoxy, C_1-C_4-alkylthio, C_1-C_4-alkylsulfinyl, C_1-C_4-alkylsulfonyl or represents C_1-C_4-haloalkyl, C_1-C_4-haloalkoxy having in each case 1 to 5 halogen atoms,

or

A represents a radical of the formula



in which

R^{13} represents C_1-C_4-alkyl or represents C_1-C_4-haloalkyl having 1 to 5 halogen atoms,

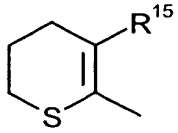
R^{14} represents C_1-C_4-alkyl,

X^1 represents S (sulfur), represents SO, SO_2 or CH_2 and

p represents 0, 1 or 2,

or

A represents a radical of the formula

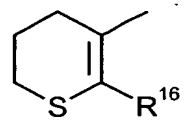


in which

R^{15} represents C_1-C_4-alkyl or represents C_1-C_4-haloalkyl having 1 to 5 halogen atoms,

or

A represents a radical of the formula

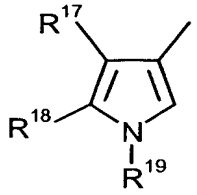


in which

R^{16} represents C_1-C_4-alkyl or represents C_1-C_4-haloalkyl having 1 to 5 halogen atoms,

or

A represents a radical of the formula



in which

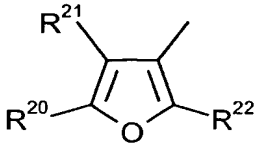
R^{17} represents halogen, cyano, C_1-C_4-alkyl or represents C_1-C_4-haloalkyl having 1 to 5 halogen atoms,

R^{18} represents hydrogen, halogen, C_1-C_4-alkyl or represents C_1-C_4-haloalkyl having 1 to 5 halogen atoms,

R^{19} represents hydrogen, cyano, C_1-C_4-alkyl, C_1-C_4-haloalkyl having 1 to 5 halogen atoms, C_1-C_4-alkoxy-C_1-C_4-alkyl, hydroxy-C_1-C_4-alkyl, C_1-C_4-alkysulfonyl, di(C_1-C_4-alkyl)aminosulfonyl, C_1-C_6-alkylcarbonyl or represents optionally substituted phenylsulfonyl or benzoyl,

or

A represents a radical of the formula



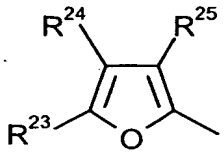
in which

R^{20} and R^{21} independently of one another represent hydrogen, halogen, amino, C_1-C_4-alkyl or represent C_1-C_4-haloalkyl having 1 to 5 halogen atoms and

R^{22} represents hydrogen, halogen, C_1-C_4-alkyl or represents C_1-C_4-haloalkyl having 1 to 5 halogen atoms,

or

A represents a radical of the formula



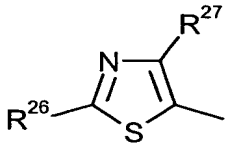
in which

R^{23} and R^{24} independently of one another represent hydrogen, halogen, amino, nitro, C_1-C_4-alkyl or represent C_1-C_4-haloalkyl having 1 to 5 halogen atoms and

R^{25} represents hydrogen, halogen, C_1-C_4-alkyl or represents C_1-C_4-haloalkyl having 1 to 5 halogen atoms,

or

A represents a radical of the formula



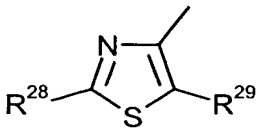
in which

R^{26} represents hydrogen, halogen, amino, C_1-C_4-alkylamino, di-(C_1-C_4-alkyl)amino, cyano, C_1-C_4-alkyl or represents C_1-C_4-haloalkyl having 1 to 5 halogen atoms and

R^{27} represents halogen, C_1-C_4-alkyl or C_1-C_4-haloalkyl having 1 to 5 halogen atoms,

or

A represents a radical of the formula



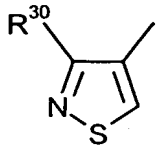
in which

R^{28} represents hydrogen, halogen, amino, C_1-C_4-alkylamino, di-(C_1-C_4-alkyl)amino, cyano, C_1-C_4-alkyl or represents C_1-C_4-haloalkyl having 1 to 5 halogen atoms and

R^{29} represents halogen, C_1-C_4-alkyl or C_1-C_4-haloalkyl having 1 to 5 halogen atoms,

or

A represents a radical of the formula

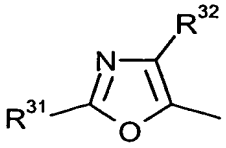


in which

R^{30} represents halogen, C_1-C_4-alkyl, C_1-C_4-haloalkyl having 1 to 5 halogen atoms,

or

A represents a radical of the formula



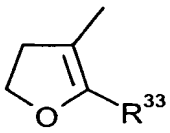
in which

R^{31} represents hydrogen or C_1-C_4-alkyl and

R^{32} represents halogen or C_1-C_4-alkyl,

or

A represents a radical of the formula

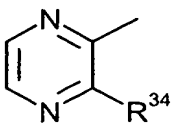


in which

R^{33} represents C_1-C_4-alkyl or C_1-C_4-haloalkyl having 1 to 5 halogen atoms,

or

A represents a radical of the formula



in which

R^{34} represents hydrogen, halogen, C_1-C_4-alkyl or C_1-C_2-haloalkyl having 1 to 5 halogen atoms.

2. The biphenylcarboxamide of the formula (I) as claimed in claim 1 in which

R represents hydrogen, C_1-C_4-alkyl or C_1-C_3-haloalkyl having in each case 1 to 7 fluorine, chlorine and/or bromine atoms,

Z represents C_3-C_6-alkenyl, C_3-C_6-alkynyl, C_3-C_6-haloalkenyl, C_3-C_6-haloalkynyl having in each case 1 to 5 fluorine, chlorine and/or bromine atoms, or (C_3-C_6-cycloalkyl)-(C_1-C_4-alkyl),

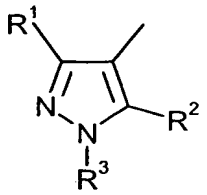
X and Y independently of one another represent fluorine, chlorine, bromine, cyano, nitro, C_1-C_6-alkyl, C_1-C_6-alkoxy, C_1-C_6-alkylthio, C_1-C_2-haloalkyl, C_1-C_2-haloalkoxy or C_1-C_2-haloalkylthio having in each case 1 to 5 fluorine, chlorine and/or bromine atoms,

m represents 0, 1, 2 or 3, where x represents identical or different radicals if m represents 2 or 3,

n represents 0, 1, 2 or 3, where y represents identical or different radicals if m represents 2 or 3,

and

A represents a radical of the formula



in which

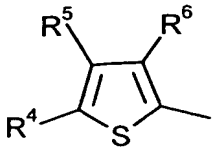
R^1 represents hydrogen, cyano, fluorine, chlorine, bromine, iodine, methyl, ethyl, isopropyl, cyclopropyl, methoxy, ethoxy, methylthio, ethylthio, aminocarbonyl, aminocarbonylmethyl, aminocarbonylethyl, C_1-C_2-haloalkyl C_1-C_2-haloalkoxy having in each case 1 to 5 fluorine, chlorine and/or bromine atoms, trifluoromethylthio or difluoromethylthio,

R^2 represents hydrogen, fluorine, chlorine, bromine, iodine, methyl, ethyl, methoxy, ethoxy, methylthio or ethylthio and

R^3 represents hydrogen, methyl, ethyl, n-propyl, isopropyl, hydroxymethyl, hydroxyethyl, cyclopropyl, cyclopentyl, cyclohexyl, C_1-C_2-haloalkyl having 1 to 5 fluorine, chlorine and/or bromine atoms or represents phenyl,

or

A represents a radical of the formula



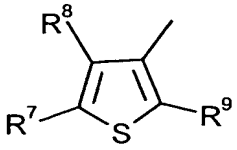
in which

R^4 and R^5 independently of one another represent hydrogen, fluorine, chlorine, bromine, methyl, ethyl or C_1-C_2-haloalkyl having 1 to 5 fluorine, chlorine and/or bromine atoms and

R^6 represents fluorine, chlorine, bromine, iodine, cyano, methyl, ethyl, trifluoromethyl or C_1-C_2-haloalkoxy having 1 to 5 fluorine, chlorine and/or bromine atoms,

or

A represents a radical of the formula



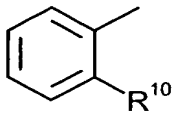
in which

R^7 and R^8 independently of one another represent hydrogen, fluorine, chlorine, bromine, methyl, ethyl or C_1-C_2-haloalkyl having 1 to 5 fluorine, chlorine and/or bromine atoms and

R^9 represents hydrogen, fluorine, chlorine, bromine, methyl or ethyl,

or

A represents a radical of the formula

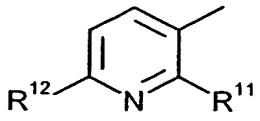


in which

R^{10} represents hydrogen, fluorine, chlorine, bromine, iodine, hydroxyl, cyano, C_1-C_4-alkyl, C_1-C_2-haloalkyl, C_1-C_2-haloalkoxy, C_1-C_2-haloalkylthio having in each case 1 to 5 fluorine, chlorine and/or bromine atoms,

or

A represents a radical of the formula



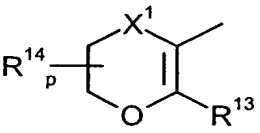
in which

R^{11} represents fluorine, chlorine, bromine, iodine, hydroxyl, cyano, C_1-C_4-alkyl, methoxy, ethoxy, methylthio, ethylthio, C_1-C_2-haloalkyl, C_1-C_2-haloalkoxy having in each case 1 to 5 fluorine, chlorine and/or bromine atoms, trifluoromethylthio, difluoromethylthio and

R^{12} represents hydrogen, fluorine, chlorine, bromine, iodine, cyano, C_1-C_4-alkyl, methoxy, ethoxy, methylthio, ethylthio, C_1-C_2-alkylsulfinyl, C_1-C_2-alkylsulfonyl, C_1-C_2-haloalkyl, C_1-C_2-haloalkoxy having in each case 1 to 5 fluorine, chlorine and/or bromine atoms,

or

A represents a radical of the formula



in which

R^{13} represents methyl, ethyl or represents C_1-C_2-haloalkyl having 1 to 5 fluorine, chlorine and/or bromine atoms and

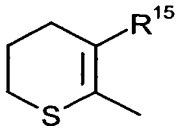
R^{14} represents methyl or ethyl,

X^1 represents S (sulfur), represents SO, SO_2 or CH_2 and

p represents 0, 1 or 2,

or

A represents a radical of the formula

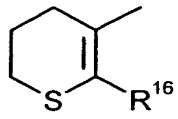


in which

R^{15} represents methyl, ethyl or represents C_1-C_2-haloalkyl having 1 to 5 fluorine, chlorine and/or bromine atoms,

or

A represents a radical of the formula

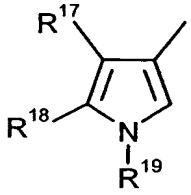


in which

R^{16} represents methyl, ethyl or represents C_1-C_2-haloalkyl having 1 to 5 fluorine, chlorine and/or bromine atoms,

or

A represents a radical of the formula



in which

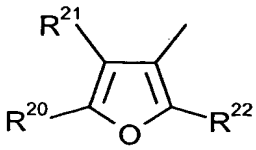
R^{17} represents fluorine, chlorine, bromine, cyano, methyl, ethyl, isopropyl or represents C_1-C_2-haloalkyl having 1 to 5 fluorine, chlorine and/or bromine atoms,

R^{18} represents hydrogen, fluorine, chlorine, bromine, methyl, ethyl or represents C_1-C_2-haloalkyl having 1 to 5 fluorine, chlorine and/or bromine atoms and

R^{19} represents hydrogen, methyl, ethyl, C_1-C_2-haloalkyl having 1 to 5 fluorine, chlorine and/or bromine atoms, C_1-C_2-alkoxy-C_1-C_2-alkyl, hydroxymethyl, hydroxyethyl, methylsulfonyl or dimethylaminosulfonyl,

or

A represents a radical of the formula



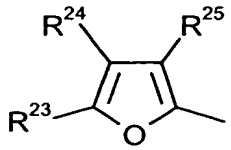
in which

R^{20} and R^{21} independently of one another represent hydrogen, fluorine, chlorine, bromine, amino, methyl, ethyl or represent C_1-C_2-haloalkyl having 1 to 5 fluorine, chlorine and/or bromine atoms and

R^{22} represents hydrogen, fluorine, chlorine, bromine, methyl, ethyl or represents C_1-C_2-haloalkyl having 1 to 5 fluorine, chlorine and/or bromine atoms,

or

A represents a radical of the formula



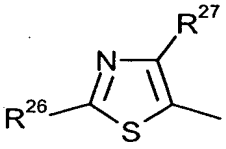
in which

R^{23} and R^{24} independently of one another represent hydrogen, fluorine, chlorine, bromine, amino, nitro, methyl, ethyl or represent C_1-C_2-haloalkyl having 1 to 5 fluorine, chlorine and/or bromine atoms and

R^{25} represents hydrogen, fluorine, chlorine, bromine, methyl, ethyl or represents C_1-C_2-haloalkyl having 1 to 5 fluorine, chlorine and/or bromine atoms,

or

A represents a radical of the formula



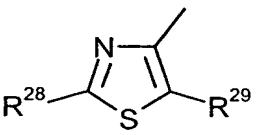
in which

R^{26} represents hydrogen, fluorine, chlorine, bromine, amino, C_1-C_4-alkylamino, di-(C_1-C_4-alkyl)amino, cyano, methyl, ethyl or represents C_1-C_2-haloalkyl having 1 to 5 fluorine, chlorine and/or bromine atoms and

R^{27} represents fluorine, chlorine, bromine, methyl, ethyl, C_1-C_2-haloalkyl having 1 to 5 fluorine, chlorine and/or bromine atoms,

or

A represents a radical of the formula



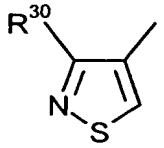
in which

R^{28} represents hydrogen, fluorine, chlorine, bromine, amino, C_1-C_4-alkylamino, di-(C_1-C_4-alkyl)amino, cyano, methyl, ethyl or represents C_1-C_2-haloalkyl having 1 to 5 fluorine, chlorine and/or bromine atoms and

R^{29} represents fluorine, chlorine, bromine, methyl, ethyl or C_1-C_2-haloalkyl having 1 to 5 fluorine, chlorine and/or bromine atoms,

or

A represents a radical of the formula

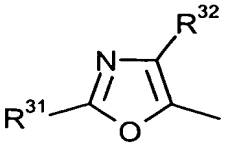


in which

R^{30} represents fluorine, chlorine, bromine, methyl, ethyl or C_1-C_2-haloalkyl having 1 to 5 fluorine, chlorine and/or bromine atoms,

or

A represents a radical of the formula



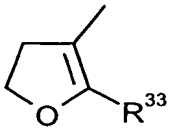
in which

R^{31} represents hydrogen, methyl or ethyl and

R^{32} represents fluorine, chlorine, bromine, methyl or ethyl,

or

A represents a radical of the formula

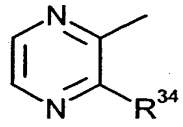


in which

R^{33} represents methyl, ethyl or C_1-C_2-haloalkyl having 1 to 5 fluorine, chlorine and/or bromine atoms,

or

A represents a radical of the formula



in which

R^{34} represents hydrogen, fluorine, chlorine, bromine, methyl, ethyl or trifluoromethyl.

3. The biphenylcarboxamide of the formula (I) as claimed in claim 1 in which

R represents hydrogen, methyl, ethyl, isopropyl, tert-butyl,

Z represents allyl, 2-butenyl, 2-methylallyl, 1-methylallyl, 3-methyl-2-butenyl, propargyl, 2-butynyl, 3-butynyl, 2-methyl-3-butynyl, 3,3-difluoroallyl, 3,3-dichloroallyl, cyclopropylmethyl, cyclopentylmethyl, cyclohexylmethyl,

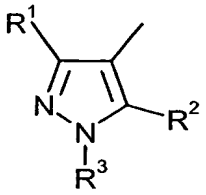
X and Y independently of one another represent fluorine, chlorine, bromine, cyano, nitro, methyl, ethyl, n-propyl, isopropyl, n-butyl, sec-butyl, isobutyl, tert-butyl, methoxy, ethoxy, methylthio, trichloromethyl, trifluoromethyl, difluoromethyl, difluorochloromethyl, difluoromethoxy, trifluoromethoxy, trifluoromethylthio, difluorochloromethylthio,

m represents 0 or 1,

n represents 0, 1 or 2, where y represents identical or different radicals if n represents 2,

and

A represents a radical of the formula



in which

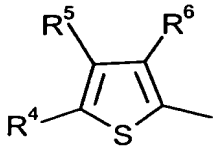
R^1 represents hydrogen, fluorine, chlorine, bromine, iodine, methyl, ethyl, isopropyl, cyclopropyl, methoxy, ethoxy, methylthio, ethylthio, monofluoromethyl, difluoromethyl, trifluoromethyl, difluorochloromethyl, trichloromethyl, trifluoromethoxy, trichloromethoxy, trifluoromethylthio or difluoromethylthio and

R^2 represents hydrogen, fluorine, chlorine, bromine, iodine, methyl, ethyl, methoxy, ethoxy, methylthio or ethylthio and

R^3 represents hydrogen, methyl, ethyl, hydroxymethyl, hydroxyethyl, trifluoromethyl, difluoromethyl or phenyl,

or

A represents a radical of the formula



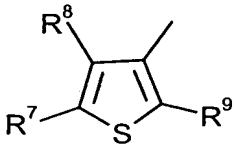
in which

R^4 and R^5 independently of one another represent hydrogen, fluorine, chlorine, bromine, methyl, ethyl, difluoromethyl, trifluoromethyl, difluorochloromethyl or trichloromethyl and

R^6 represents fluorine, chlorine, bromine, cyano, methyl, trifluoromethyl, trifluoromethoxy, difluoromethoxy, difluorochloromethoxy or trichloromethoxy,

or

A represents a radical of the formula



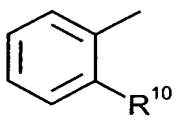
in which

R^7 and R^8 independently of one another represent hydrogen, fluorine, chlorine, bromine, methyl, ethyl, difluoromethyl, trifluoromethyl, difluorochloromethyl or trichloromethyl and

R^9 represents hydrogen, fluorine, chlorine, bromine, methyl or ethyl,

or

A represents a radical of the formula



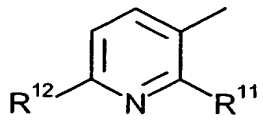
in which

R^{10} represents hydrogen, fluorine, chlorine, bromine, iodine, hydroxyl, cyano, methyl, ethyl, n-propyl, isopropyl, n-butyl, isobutyl, sec-butyl, tert-butyl, difluoromethyl, trifluoromethyl,

difluorochloromethyl, trichloromethyl, trifluoromethoxy, difluoromethoxy, difluorochloromethoxy, trichloromethoxy, trifluoromethylthio, difluoromethylthio, difluorochloromethylthio or trichloromethylthio,

or

A represents a radical of the formula



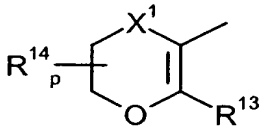
in which

R^{11} represents fluorine, chlorine, bromine, iodine, hydroxyl, cyano, methyl, ethyl, n-propyl, isopropyl, n-butyl, isobutyl, sec-butyl, tert-butyl, methoxy, ethoxy, methylthio, ethylthio, trifluoromethyl, difluoromethyl, difluorochloromethyl, trichloromethyl, trifluoromethoxy, difluoromethoxy, difluorochloromethoxy, trichloromethoxy, difluoromethylthio, trifluoromethylthio and

R^{12} represents hydrogen, fluorine, chlorine, bromine, iodine, cyano, methyl, ethyl, n-propyl, isopropyl, n-butyl, isobutyl, sec-butyl, tert-butyl, methoxy, ethoxy, methylthio, ethylthio, methylsulfinyl, methylsulfonyl, trifluoromethyl, difluoromethyl, difluorochloromethyl, trichloromethyl, trifluoromethoxy, difluoromethoxy, difluorochloromethoxy or trichloromethoxy,

or

A represents a radical of the formula



in which

R^{13} represents methyl, ethyl, trifluoromethyl, difluoromethyl, difluorochloromethyl or trichloromethyl and

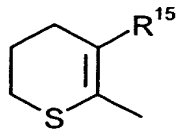
R^{14} represents methyl or ethyl,

X^1 represents S (sulfur), represents SO, SO_2 or CH_2 and

p represents 0, 1 or 2,

or

A represents a radical of the formula

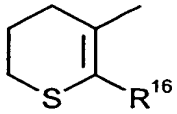


in which

R^{15} represents methyl, ethyl, trifluoromethyl, difluoromethyl, difluorochloromethyl or trichloromethyl,

or

A represents a radical of the formula

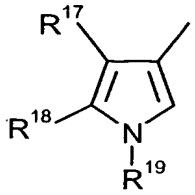


in which

R^{16} represents methyl, ethyl, trifluoromethyl, difluoromethyl, difluorochloromethyl or trichloromethyl,

or

A represents a radical of the formula



in which

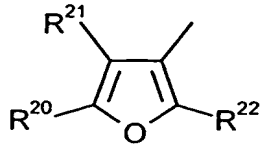
R^{17} represents fluorine, chlorine, bromine, cyano, methyl, ethyl, isopropyl, trifluoromethyl, difluoromethyl, difluorochloromethyl or trichloromethyl,

R^{18} represents hydrogen, fluorine, chlorine, bromine, methyl, ethyl, trifluoromethyl, difluoromethyl or trichloromethyl and

R^{19} represents hydrogen, methyl, ethyl, trifluoromethyl, methoxymethyl, ethoxymethyl, hydroxymethyl or hydroxyethyl,

or

A represents a radical of the formula



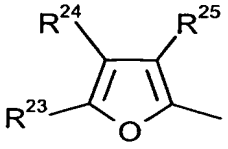
in which

R^{20} and R^{21} independently of one another represent hydrogen, fluorine, chlorine, bromine, methyl, ethyl, trifluoromethyl, difluoromethyl, difluorochloromethyl or trichloromethyl and

R^{22} represents hydrogen, fluorine, chlorine, bromine, methyl, ethyl, trifluoromethyl, difluoromethyl, difluorochloromethyl or trichloromethyl,

or

A represents a radical of the formula



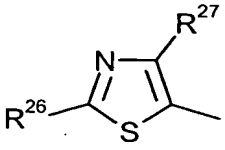
in which

R^{23} and R^{24} independently of one another represent hydrogen, fluorine, chlorine, bromine, nitro, methyl, ethyl, trifluoromethyl, difluoromethyl, difluorochloromethyl or trichloromethyl and

R^{25} represents hydrogen, fluorine, chlorine, bromine, methyl, ethyl, trifluoromethyl, difluoromethyl, difluorochloromethyl or trichloromethyl,

or

A represents a radical of the formula



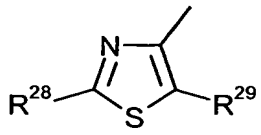
in which

R^{26} represents hydrogen, fluorine, chlorine, bromine, amino, methylamino, dimethylamino, cyano, methyl, ethyl, trifluoromethyl, difluoromethyl, difluorochloromethyl or trichloromethyl and

R^{27} represents fluorine, chlorine, bromine, methyl, ethyl, trifluoromethyl, difluoromethyl, difluorochloromethyl or trichloromethyl,

or

A represents a radical of the formula



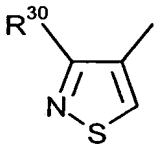
in which

R^{28} represents hydrogen, fluorine, chlorine, bromine, amino, methylamino, dimethylamino, cyano, methyl, ethyl, trifluoromethyl, difluoromethyl, difluorochloromethyl or trichloromethyl and

R^{29} represents fluorine, chlorine, bromine, methyl, ethyl, trifluoromethyl, difluoromethyl, difluorochloromethyl or trichloromethyl,

or

A represents a radical of the formula

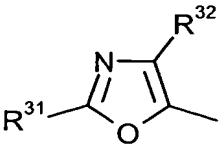


in which

R^{30} represents fluorine, chlorine, bromine, methyl, ethyl, trifluoromethyl, difluoromethyl, difluorochloromethyl or trichloromethyl,

or

A represents a radical of the formula



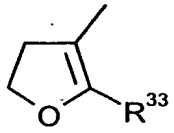
in which

R^{31} represents hydrogen, methyl or ethyl and

R^{32} represents fluorine, chlorine, bromine, methyl or ethyl,

or

A represents a radical of the formula

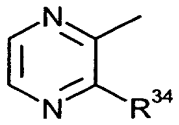


in which

R^{33} represents methyl, ethyl, trifluoromethyl, difluoromethyl, difluorochloromethyl or trichloromethyl,

or

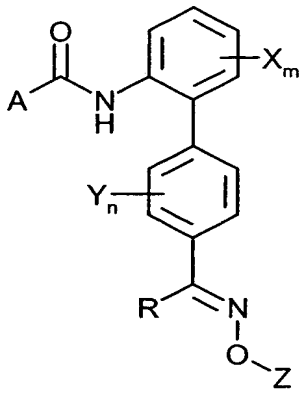
A represents a radical of the formula



in which

R^{34} represents hydrogen, fluorine, chlorine, bromine, methyl, ethyl or trifluoromethyl.

4. The biphenylcarboxamide of the formula (I-1)



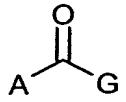
(I-1)

in which

R, Z, X, Y, m, n and A are as defined in any of claims 1 to 3.

5. A process for preparing biphenylcarboxamides of the formula (I) as claimed in claim 1, characterized in that

a) carboxylic acid derivatives of the formula (II)



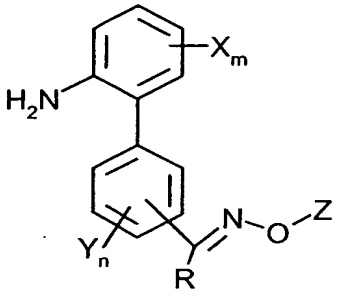
(II)

in which

A is as defined in claim 1 and

G represents halogen, hydroxyl or C_1-C_6-alkoxy

are reacted with aniline derivatives of the formula (III)



(III)

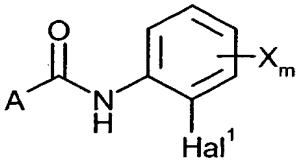
in which

R, Z, X, Y, m and n are as defined in claim 1,

if appropriate in the presence of a catalyst, if appropriate in the presence of an acid binder and if appropriate in the presence of a diluent,

or

b) carboxamide derivatives of the formula (IV)



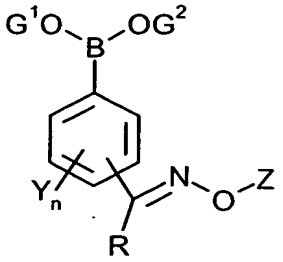
(IV)

in which

A, X and m are as defined in claim 1,

Hal^1 represents bromine or iodine,

are reacted with boronic acid derivatives of the formula (V)



(V)

in which

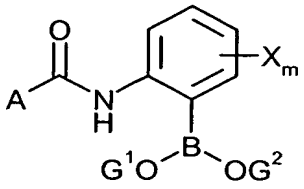
R, Z, Y and n are as defined in claim 1 and

G^1 and G^2 each represent hydrogen or together represent tetramethylethylene

in the presence of a catalyst, if appropriate in the presence of an acid binder and if appropriate in the presence of a diluent,

or

c) carboxamide boronic acid derivatives of the formula (VI)



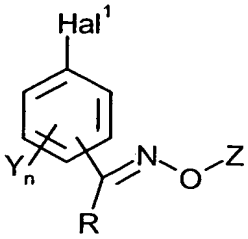
(VI)

in which

A, X and m are as defined in claim 1 and

G^1 and G^2 each represent hydrogen or together represent tetramethylethylene

are reacted with phenyl oxime derivatives of the formula (VII)



(VII)

in which

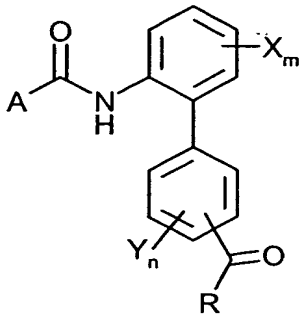
R, Z, Y and n are as defined in claim 1,

Hal^1 represents bromine or iodine,

in the presence of a catalyst, if appropriate in the presence of an acid binder and if appropriate in the presence of a diluent,

or

d) biphenylacyl derivatives of the formula (VIII)



(VIII)

in which

A, R, X, Y, m and n are as defined in claim 1

are reacted with hydroxylamine derivatives of the formula (IX)

$$Z-O-NH_2 \times HCl \qquad (IX)$$

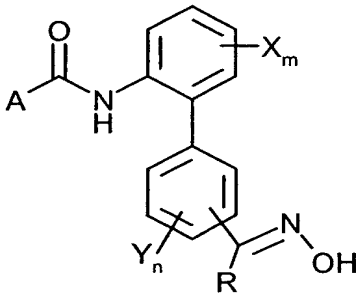
in which

Z is as defined in claim 1,

if appropriate in the presence of an acid binder and if appropriate in the presence of a diluent,

or

e) hydroxyimino derivatives of the formula (I-a)



(I-a)

in which

A, R, X, Y, m and n are as defined in claim 1

are reacted with compounds of the formula (X)

Z—E (X)

in which

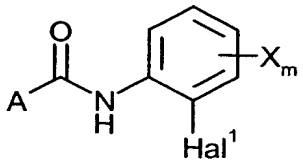
Z is as defined in claim 1,

E represents chlorine, bromine, iodine, methanesulfonyl or p-toluenesulfonyl,

if appropriate in the presence of an acid binder and if appropriate in the presence of a diluent,

or

f) carboxamide derivatives of the formula (IV)



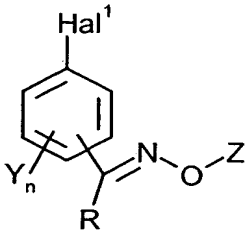
(IV)

in which

A, X and m are as defined in claim 1,

Hal^1 represents bromine or iodine,

are reacted with phenyl oxime derivatives of the formula (VII)



(VII)

in which

R, Z, Y and n are as defined in claim 1,

Hal^1 represents bromine or iodine

in the presence of a palladium or platinum catalyst and in the presence of 4,4,4',4',5,5,5',5'-octamethyl-2,2'-bis-1,3,2-dioxaborolane, if appropriate in the presence of an acid binder and if appropriate in the presence of a diluent.

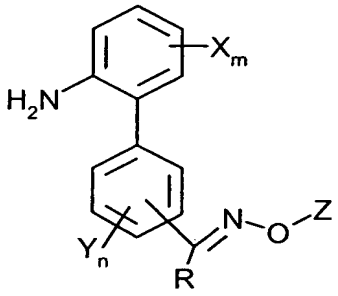
6. A composition for controlling unwanted microorganisms, characterized in that it comprises at least one biphenylcarboxamide of the formula (I) as claimed in claim 1, in addition to extenders and/or surfactants.

7. The use of biphenylcarboxamides of the formula (I) as claimed in claim 1 for controlling unwanted microorganisms.

8. A method for controlling unwanted microorganisms, characterized in that biphenylcarboxamides of the formula (I) as claimed in claim 1 are applied to the microorganisms and/or their habitat.

9. A process for preparing compositions for controlling unwanted microorganisms, characterized in that biphenylcarboxamides of the formula (I) according to claim 1 are mixed with extenders and/or surfactants.

10. An aniline derivative of the formula (III)

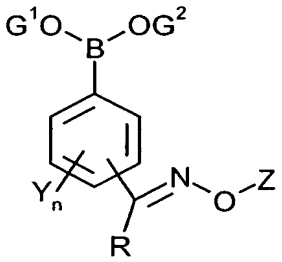


(III)

in which

R, Z, X, Y, m and n are as defined in claim 1.

11. A boronic acid derivative of the formula (V)



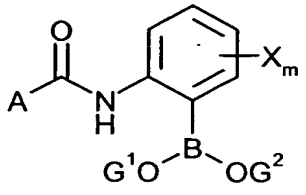
(V)

in which

R, Z, Y and n are as defined in claim 1 and

G^1 and G^2 each represent hydrogen or together represent tetramethylethylene.

12. A carboxamide boronic acid derivative of the formula (VI)



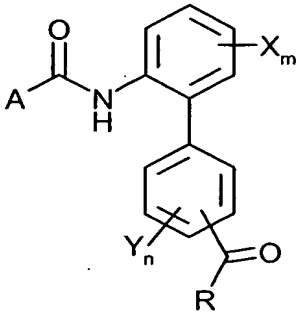
(VI)

in which

A, X and m are as defined in claim 1 and

G^1 and G^2 each represent hydrogen or together represent tetramethylethylene.

13. A biphenylacyl derivative of the formula (VIII)

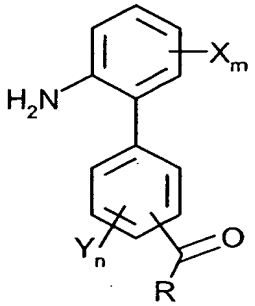


(VIII)

in which

A, R, X, Y, m and n are as defined in claim 1.

14. A 2-benzaldehyde aniline derivative of the formula (XIV)



(XIV)

in which

R, X, Y, m and n are as defined in claim 1.